

GENERAL INFORMATION (13 Sep 04)

Web site for this course: <http://d01b1n.lbl.gov/110bf04-web.htm>

Backup web site: <http://d01b1c.lbl.gov/110bf04-web.htm>

Instructors: Prof. **Mark Strovink**. Main office: LBL 50-6034, 486-7087. Home: 486-8079 (before 10 please). Teaching office: 565 Evans, 642-9685 (phone answered during office hours). Office hours (in 565 Evans): M 5:30-6:30, W 11-12. Email: strovink@lbl.gov Web: <http://d01b1n.lbl.gov/>

Mr. **Bom Soo Kim**. UC research office: 516 Evans. UC GSI office: 254 LeConte, 642-5647. Office hours (in 254 LeConte): Tu-Th 12:40-2. Email: bskim@socrates.berkeley.edu

Lectures: MWF 10:10-11 in 75 Evans. (At present, most students' schedules are also open during Tu 5:10-6:30. Please try to maintain your availability during this additional time period; during the semester it will be necessary to move at least one lecture to this slot.) Lecture attendance is strongly encouraged; not all course content is found in texts or handouts.

Discussion Sections: Taught by Mr. Kim; begin in the first week, at 5:10 PM on Tu 31 Aug in 70 Evans. After the first week, but before Tu 14 Sep, Tu discussion sections will occur at 4:10-5 in room 508-20 Evans. After the first week, but before Th 23 Sep, Th discussion sections will occur at 2:10-3, also in room 508-20 Evans. On Tu 14 Sep and thereafter, **Tu** discussion sections will occur at **4:10-5** in their permanent location in room **433**

Latimer. On Th 23 Sep and thereafter, **Th** discussion sections will occur at **2:10-3** in their permanent location in room **75 Evans**. You are invited to attend either or both discussion sections; do plan to attend at least one discussion section regularly. There you will learn techniques of problem solving, with particular application to the assigned exercises.

Texts:

- Griffiths, **Introduction to Electrodynamics** (3rd ed., Prentice-Hall, 1999, required).
- Pedrotti & Pedrotti, **Introduction to Optics** (2nd ed., Prentice-Hall, 1993, required).
- If you are planning to attend physics graduate school, and cash flow is not a major issue, it would be smart now to acquire Jackson, **Classical Electrodynamics** (3rd ed., Wiley). It can be useful in this course.

Problem Sets: A required and most important part of the course. Thirteen sets are assigned, each consisting of 4-7 problems. An un-preannounced subset of these problems will be graded by Mr. Kim. Problem sets are due at 5 PM only on days (MWF) when lectures are held; they are due no more frequently than one problem set every second lecture. The first set, consisting of 5 problems, is due at 5 PM on Wed 8 Sep. No problem set is due within ± 2 lectures from any exam, or on Thanksgiving week. Late papers will not be graded. To compensate for the lack of due date extensions, your lowest problem set score will be dropped. Please deposit problem sets in the box labeled "110B (Strovink)" near the second floor breezeway between LeConte and Birge Halls. You should attempt all of the problems. Students who do not do so find it almost impossible to learn the material and to succeed on the exams. You are encouraged to discuss problems with others in the course, but you must write up your own solutions by yourself.

Exams: There will be one 3-hour final exam and four 50-minute class exams. The class exams are closely related to the assigned problems. Course texts, course web material, and self-written notes are open during all exams. Before confirming your enrollment in this course, please check that its final Exam Group 1 does not conflict with the Exam Group for any other course in which you intend to enroll. Please verify now that you will be available for all four of the class exams, which will occur at 10:10 AM on F 1 Oct, F 22 Oct, M 15 Nov, and M 6 Dec; and for the final exam at 8-11 AM on Tu 14 Dec. Except for unforeseeable emergencies, it will not be possible for class or final exams to be rescheduled. To compensate for the lack of excused absences, your lowest class exam score will be dropped. Passing 110B requires passing the final exam.

Grading: 25% problem sets, 35% class exams, 40% final exam. Departmental regulations call for an *A:B:other* distribution in the ratio 7:8:5. Depending on you, none of the "*other*" grades need to be *D*'s or *F*'s.